

OIPE

RAW SEQUENCE LISTING

DATE: 11/07/2001

PATENT APPLICATION: US/09/965,528

TIME: 14:46:31

Input Set : A:\PF-0701-USA.txt

Output Set: N:\CRF3\11072001\I965528.raw

2 <110> APPLICANT: INCYTE GENOMICS, INC.
 3 TANG, Y. Tom
 4 YUE, Henry
 5 LAL, Preeti
 6 BURFORD, Neil
 7 BANDMAN, Olga
 8 BAUGHN, Mariah R.
 9 AZIMZAI, Yalda
 10 LU, Dyung Aina M.
 11 PATTERSON, Chandra
 W--> 12 <120> TITLE OF INVENTION: EXTRACELLULAR SIGNALING MOLECULES
 W--> 13 <130> FILE REFERENCE: PF-0701 USA
 W--> 14 <140> CURRENT APPLICATION NUMBER: To Be Assigned
 C--> 15 <141> CURRENT FILING DATE: 2001-09-26
 16 <150> PRIOR APPLICATION NUMBER: 60/134,949; 60/144,270; 60/146,700; 60/157,508
 W--> 17 <151> PRIOR FILING DATE: 1999-05-19; 1999-07-15; 1999-07-30; 1999-10-04
 W--> 18 <160> NUMBER OF SEQ ID: 55
 19 <170> SOFTWARE: PERL Program
 W--> 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 77
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Homo sapiens
 W--> 24 <220> FEATURE:
 25 <221> NAME/KEY: misc_feature
 26 <223> OTHER INFORMATION: Incyte ID No: 1288847CD1
 W--> 27 <400> SEQUENCE: 1
 28 Met Gly Lys Glu Trp Val Lys Ile Leu Leu Phe Leu Leu His Leu
 29 1 5 10 15
 30 Ser Asn Phe Phe Thr Ile Val Thr Phe Leu Gly Ser Gln Gly Leu
 31 20 25 30
 32 Leu Gln Ser Pro Ser Tyr Glu Lys Leu Val Gly Cys Cys Leu Met
 33 35 40 45
 34 Thr Arg Gly Cys Phe Ser Pro Ser Val Met Leu Pro Ser Ala Ala
 35 50 55 60
 36 Pro Ser Gln Gln Asp Ser Pro Ser His Ser Arg Ala Pro Gly Pro
 37 65 70 75
 38 Cys Ser
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 88
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Homo sapiens
 W--> 44 <220> FEATURE:
 45 <221> NAME/KEY: misc_feature
 46 <223> OTHER INFORMATION: Incyte ID No: 1329044CD1
 W--> 47 <400> SEQUENCE: 2
 48 Met Lys Thr Pro Asn Asp Leu Phe Leu Arg Gln Leu Gly Tyr Leu
 49 1 5 10 15

Edited Align left margins
 OK
 Edited Looked
 Need for process
 new contents
 PTO. M.H. B.S. JM

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```

50 Ser Ile Cys Cys Phe Val Phe Ser Ser Glu Glu Ser Lys Asn Tyr
51                      20                      25                      30
52 Lys Ile Ser Leu Ile Val Tyr Leu Thr Phe Leu Thr Met Glu Thr
53                      35                      40                      45
54 Lys Pro Arg Asn Ser Ile Tyr Ser Val Leu Thr Gln Ser Thr His
55                      50                      55                      60
56 Pro Asp Phe Glu Ser Pro Arg Thr Gly Val Pro Asn Pro Arg Ala
57                      65                      70                      75
58 Glu Asp Gln Tyr Gln Phe Glu Ala Tyr Tyr Arg Val Thr
59                      80                      85

```

60 <210> SEQ ID NO: 3

61 <211> LENGTH: 96

62 <212> TYPE: PRT

63 <213> ORGANISM: Homo sapiens

W--> 64 <220> FEATURE:

65 <221> NAME/KEY: misc_feature

66 <223> OTHER INFORMATION: Incyte ID No: 1493630CD1

W--> 67 <400> SEQUENCE: 3

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68 Met Ser Met Gln Phe Leu Phe Lys Met Val Ala Leu Cys Cys Cys
69 1                      5                      10                      15
70 Leu Trp Lys Ile Ser Gly Cys Glu Glu Val Pro Leu Thr Tyr Asn
71                      20                      25                      30
72 Leu Leu Lys Cys Leu Leu Asp Lys Ala His Cys Val Leu Leu Thr
73                      35                      40                      45
74 Pro Cys Gly Tyr Ile Phe Ser Leu Ile Ser Pro Glu Ile Leu Lys
75                      50                      55                      60
76 Leu Thr Leu Ile Thr Leu Gln Ile Leu Leu Ile Leu Lys Asn Leu
77                      65                      70                      75
78 His Leu Leu Trp Leu Thr Val Ser Ser Arg Cys Val His Arg Ser
79                      80                      85                      90
80 Ser Ala Arg Lys Glu Lys
81                      95

```

82 <210> SEQ ID NO: 4

83 <211> LENGTH: 104

84 <212> TYPE: PRT

85 <213> ORGANISM: Homo sapiens

W--> 86 <220> FEATURE:

87 <221> NAME/KEY: misc_feature

88 <223> OTHER INFORMATION: Incyte ID No: 1533041CD1

W--> 89 <400> SEQUENCE: 4

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90 Met Arg Leu Ser Leu Pro Leu Gly Ser Leu Leu Trp Pro Phe Leu
91 1                      5                      10                      15
92 Val Cys Gly Cys Leu Leu Gln Val Ala Leu Cys Gln Thr Arg Ser
93                      20                      25                      30
94 Ala Pro His Leu Asp Thr His Ser Pro Val Ala Phe Gln Cys Ser
95                      35                      40                      45
96 Gly Arg Lys Pro Val Ser Leu Asp Val Lys Leu Thr Leu Met Gly
97                      50                      55                      60
98 Trp Gly Arg Gly Leu Gly Arg Arg Gly Gly Arg Gly Glu Gly Thr

```

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```

99          65          70          75
100 Glu Leu Arg Ile Ser Trp Ser Ala Leu Gln Ala Gln Arg Arg Ser
101          80          85          90
102 Ala Lys Val Leu Asn Arg Phe Ser Leu Glu Ile Lys Asn Pro
103          95          100
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 60
106 <212> TYPE: PRT
107 <213> ORGANISM: Homo sapiens
W--> 108 <220> FEATURE:
109 <221> NAME/KEY: misc_feature
110 <223> OTHER INFORMATION: Incyte ID No: 1566162CD1
W--> 111 <400> SEQUENCE: 5
112 Met Leu Met Phe Ile Lys Gly Leu Ser Ser Thr Leu Phe Leu Gly
113 1          5          10          15
114 Ser Thr Leu Ser His Arg Asp Pro Ile Cys Phe Tyr Ser Phe His
115          20          25          30
116 Phe His Leu Tyr Leu Leu Pro His Ala Val Ser Pro Val Thr Asn
117          35          40          45
118 Ser Ile Tyr Asn Tyr Leu Leu Gly Leu Tyr Leu Asp Thr Cys Thr
119          50          55          60
120 <210> SEQ ID NO: 6
121 <211> LENGTH: 117
122 <212> TYPE: PRT
123 <213> ORGANISM: Homo sapiens
W--> 124 <220> FEATURE:
125 <221> NAME/KEY: misc_feature
126 <223> OTHER INFORMATION: Incyte ID No: 1811831CD1
W--> 127 <400> SEQUENCE: 6
128 Met Pro Lys Ser Gln Ser His His Leu Thr Gln Leu Gln Leu Leu
129 1          5          10          15
130 Pro Ser Cys Leu Leu Gly Leu Leu Pro Pro Val Pro Ala Val His
131          20          25          30
132 Ala Tyr Ile Leu Gln Gly Cys Val Leu Ser Gly Arg Glu Ile Phe
133          35          40          45
134 Phe Ser Val Leu Gln Phe Phe Thr Gln Thr Phe Ser Phe Val Val
135          50          55          60
136 Pro Val Phe Pro Ser Phe Pro Gly Gly Phe Arg Leu Pro Phe Ser
137          65          70          75
138 Ser Pro Trp Leu Ser Leu Cys Pro Ile His Arg Ser Thr Leu Gln
139          80          85          90
140 Ala Cys Leu Tyr Glu Arg Gly Leu Phe Leu Cys Arg Lys Leu Thr
141          95          100          105
142 Leu Thr Arg Cys Gly Cys Ser Tyr Thr Asp Leu Ile
143          110          115
144 <210> SEQ ID NO: 7
145 <211> LENGTH: 86
146 <212> TYPE: PRT
147 <213> ORGANISM: Homo sapiens

```

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Input Set : A:\PF-0701-USA.txt

Output Set: N:\CRF3\11072001\I965528.raw

W--> 148 <220> FEATURE:

149 <221> NAME/KEY: misc_feature

150 <223> OTHER INFORMATION: Incyte ID No: 1835447CD1

W--> 151 <400> SEQUENCE: 7

152 Met Arg Ala Lys Gly Phe Leu Ala Pro Ser Leu Val Leu Ala Val

153 1 5 10 15

154 Ser Leu Glu Leu Met His Pro Asp Ala Asn Ser Pro Ser Glu Cys

155 20 25 30

156 Arg Gly Asp Glu Thr Leu Thr Gly Gln Phe Asn Leu Tyr Met Gly

157 35 40 45

158 Asp Lys Leu Glu Gly Lys Thr Asn Gly Arg Arg Val Lys Arg Lys

159 50 55 60

160 Leu Asn Tyr Cys Ala Asn Thr Arg His Ser Asn Pro Gly Gly Tyr

161 65 70 75

162 Cys Arg Val Asn Asn Asp Arg Tyr Tyr Phe Val

163 80 85

164 <210> SEQ ID NO: 8

165 <211> LENGTH: 109

166 <212> TYPE: PRT

167 <213> ORGANISM: Homo sapiens

W--> 168 <220> FEATURE:

169 <221> NAME/KEY: misc_feature

170 <223> OTHER INFORMATION: Incyte ID No: 3892281CD1

W--> 171 <400> SEQUENCE: 8

172 Met Arg Cys Arg Leu Leu Ala Gly Ala Leu Val Leu Leu His Leu

173 1 5 10 15

174 Arg Leu Ser Ile Trp Leu Leu Gly Leu Pro His Ser Met Ala Asp

175 20 25 30

176 Gly Leu Arg Glu Gly Ala Phe Pro Asn Lys Gly Pro His Lys Leu

177 35 40 45

178 Asp Leu Trp Arg Ala Ser Leu Arg Ser His Pro Val Ser His Gly

179 50 55 60

180 Pro His Phe Ile Gly Tyr Arg Ala Ser Gln Phe Glu Gly Glu Glu

181 65 70 75

182 Lys Tyr Val Ala Val Tyr Ala Val Ser Ser Ala Ser Leu Leu Pro

183 80 85 90

184 Ala Leu Pro Val Pro Val Leu Arg Ala Ala Leu Ala Glu Gln Met

185 95 100 105

186 Tyr Leu Leu Ser

188 <210> SEQ ID NO: 9

189 <211> LENGTH: 111

190 <212> TYPE: PRT

191 <213> ORGANISM: Homo sapiens

W--> 192 <220> FEATURE:

193 <221> NAME/KEY: misc_feature

194 <223> OTHER INFORMATION: Incyte ID No: 4318494CD1

W--> 195 <400> SEQUENCE: 9

196 Met Arg Ser Pro Ser Phe Pro Phe Thr Leu Leu Ser Gly Leu Pro

197 1 5 10 15

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Input Set : A:\PF-0701-USA.txt

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```

198 Gly Pro Gly Phe Ser Gln Leu Cys Val Arg Val Ser Gln Val Ser
199                20                25                30
200 Arg Asn Pro Met Arg Ser Glu Gly Cys Phe Gly Leu Leu Lys Ser
201                35                40                45
202 Val Gln Asp Asn Pro Ala Ser Ala Leu Glu Leu Leu Asp Phe Ser
203                50                55                60
204 Asp Ile Gln Val Asn Ala Glu Phe Asp Gly Leu Ala Ser Ser Val
205                65                70                75
206 Arg Gly Ile Leu Pro Glu Leu Cys Ile Lys Thr Gly Ala Cys Arg
207                80                85                90
208 Val Glu Tyr Lys Lys Glu Leu Leu Pro Val Phe Arg Ser Ala Leu
209                95                100               105
210 Pro Ala Ser Val Pro Lys
211                110

```

212 <210> SEQ ID NO: 10

213 <211> LENGTH: 182

214 <212> TYPE: PRT

215 <213> ORGANISM: Homo sapiens

W--> 216 <220> FEATURE:

217 <221> NAME/KEY: misc_feature

218 <223> OTHER INFORMATION: Incyte ID No: 5090841CD1

W--> 219 <400> SEQUENCE: 10

```

220 Met Glu Pro Gln Leu Gly Pro Glu Ala Ala Ala Leu Arg Pro Gly
221 1                5                10                15
222 Trp Leu Ala Leu Leu Leu Trp Val Ser Ala Leu Ser Cys Ser Phe
223                20                25                30
224 Ser Leu Pro Ala Ser Ser Leu Ser Ser Leu Val Pro Gln Val Arg
225                35                40                45
226 Thr Ser Tyr Asn Phe Gly Arg Thr Phe Leu Gly Leu Asp Lys Cys
227                50                55                60
228 Asn Ala Cys Ile Gly Thr Ser Ile Cys Lys Lys Phe Phe Lys Glu
229                65                70                75
230 Glu Ile Arg Ser Asp Asn Trp Leu Ala Ser His Leu Gly Leu Pro
231                80                85                90
232 Pro Asp Ser Leu Leu Ser Tyr Pro Ala Asn Tyr Ser Asp Asp Ser
233                95                100               105
234 Lys Ile Trp Arg Pro Val Glu Ile Phe Arg Leu Val Ser Lys Tyr
235                110               115               120
236 Gln Asn Glu Ile Ser Asp Arg Arg Ile Cys Ala Ser Ala Ser Ala
237                125               130               135
238 Pro Lys Thr Cys Ser Ile Glu Arg Val Leu Arg Lys Thr Glu Arg
239                140               145               150
240 Phe Gln Lys Trp Leu Gln Ala Lys Arg Leu Thr Pro Asp Leu Val
241                155               160               165
242 Gln Asp Cys His Gln Gly Gln Arg Glu Leu Lys Phe Leu Cys Met
243                170               175               180
244 Leu Arg
246 <210> SEQ ID NO: 11
247 <211> LENGTH: 105

```

VERIFICATION SUMMARY

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Input Set : A:\PF-0701-USA.txt

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L:12 M:283 W: Missing Blank Line separator, <120> field identifier
L:13 M:283 W: Missing Blank Line separator, <130> field identifier
L:14 M:283 W: Missing Blank Line separator, <140> field identifier
L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:17 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:18 M:283 W: Missing Blank Line separator, <160> field identifier
L:20 M:283 W: Missing Blank Line separator, <210> field identifier
L:24 M:283 W: Missing Blank Line separator, <220> field identifier
L:27 M:283 W: Missing Blank Line separator, <400> field identifier
L:44 M:283 W: Missing Blank Line separator, <220> field identifier
L:47 M:283 W: Missing Blank Line separator, <400> field identifier
L:64 M:283 W: Missing Blank Line separator, <220> field identifier
L:67 M:283 W: Missing Blank Line separator, <400> field identifier
L:86 M:283 W: Missing Blank Line separator, <220> field identifier
L:89 M:283 W: Missing Blank Line separator, <400> field identifier
L:108 M:283 W: Missing Blank Line separator, <220> field identifier
L:111 M:283 W: Missing Blank Line separator, <400> field identifier
L:124 M:283 W: Missing Blank Line separator, <220> field identifier
L:127 M:283 W: Missing Blank Line separator, <400> field identifier
L:148 M:283 W: Missing Blank Line separator, <220> field identifier
L:151 M:283 W: Missing Blank Line separator, <400> field identifier
L:168 M:283 W: Missing Blank Line separator, <220> field identifier
L:171 M:283 W: Missing Blank Line separator, <400> field identifier
L:192 M:283 W: Missing Blank Line separator, <220> field identifier
L:195 M:283 W: Missing Blank Line separator, <400> field identifier
L:216 M:283 W: Missing Blank Line separator, <220> field identifier
L:219 M:283 W: Missing Blank Line separator, <400> field identifier
L:250 M:283 W: Missing Blank Line separator, <220> field identifier
L:253 M:283 W: Missing Blank Line separator, <400> field identifier
L:272 M:283 W: Missing Blank Line separator, <220> field identifier
L:275 M:283 W: Missing Blank Line separator, <400> field identifier
L:326 M:283 W: Missing Blank Line separator, <220> field identifier
L:329 M:283 W: Missing Blank Line separator, <400> field identifier
L:396 M:283 W: Missing Blank Line separator, <220> field identifier
L:399 M:283 W: Missing Blank Line separator, <400> field identifier
L:430 M:283 W: Missing Blank Line separator, <220> field identifier
L:433 M:283 W: Missing Blank Line separator, <400> field identifier
L:468 M:283 W: Missing Blank Line separator, <220> field identifier
L:471 M:283 W: Missing Blank Line separator, <400> field identifier
L:500 M:283 W: Missing Blank Line separator, <220> field identifier
L:503 M:283 W: Missing Blank Line separator, <400> field identifier
L:532 M:283 W: Missing Blank Line separator, <220> field identifier
L:535 M:283 W: Missing Blank Line separator, <400> field identifier
L:564 M:283 W: Missing Blank Line separator, <220> field identifier
L:567 M:283 W: Missing Blank Line separator, <400> field identifier
L:602 M:283 W: Missing Blank Line separator, <220> field identifier
L:605 M:283 W: Missing Blank Line separator, <400> field identifier

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Input Set : A:\PF-0701-USA.txt
Output Set: N:\CRF3\11072001\I965528.raw

L:642 M:283 W: Missing Blank Line separator, <220> field identifier
L:645 M:283 W: Missing Blank Line separator, <400> field identifier
L:716 M:283 W: Missing Blank Line separator, <220> field identifier
L:719 M:283 W: Missing Blank Line separator, <400> field identifier
L:742 M:283 W: Missing Blank Line separator, <220> field identifier
L:1649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:1651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54